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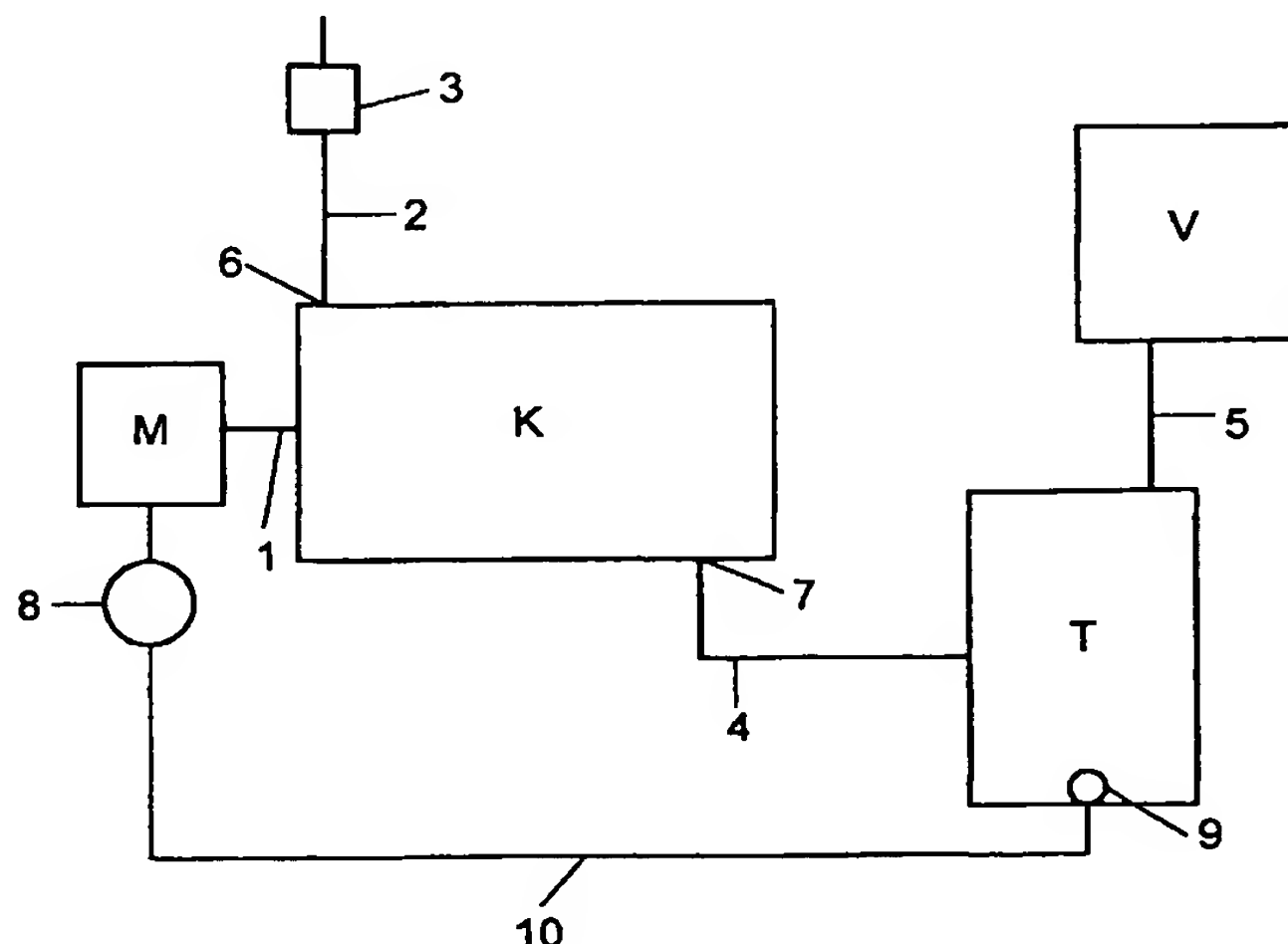
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(54) Title: COMPRESSOR



(57) Abstract: A helical screw rotor compressor (K) adapted for working against a pressure container (T) whose pressure P is allowed to vary between a lowest pressure P₂ and a highest pressure P₁, said compressor being driven by an electric motor (M). The electric motor (M) is characterised by having in one operating range defined by the pressure interval P of said pressure container a quality such that halving of the torque of said motor will result an increase in motor speed of at least 6 percent. It is also preferred that the compressor is optimised for an internal volume factor at which the pressure of the compressor will be lower than P₂+0.85* (P₁-P₂) at the opening instance.

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